

## ABSTRACT OF THE DISCLOSURE

Methods and apparatus for irradiating at least a portion of a subject's oral cavity with radiation having at least one selected wavelength component so as to cause a desired biostimulation effect. The biostimulation effect can include any of an increased blood and lymph microcirculation in said irradiated portion, activation of blood microcirculation in tooth pulp and gum, increased local macrophage activity, increased fibroblast, osteoblast and odontoblast proliferation, killing of at least one of bacteria, fungi, and viruses in the oral cavity, normalization of the oral cavity pH, killing of viruses within the subject's blood microcirculatory system, light-induced destruction of selected metabolic blood components, reduction of gum bleeding, reduction of tooth hypersensitivity, pain reduction in teeth and throat, periodontal and bone regeneration, implant, crown and filling connection improvement, remineralization of enamel, prevention of caries, root canal sterilization, oral inflammation prevention and periodontol disease prevention and healing.

1298900.1